AIRS Data Support at GES DAAC

AIRS Data Support Home Page

GES DAAC Search and Order Interface for AIRS Data

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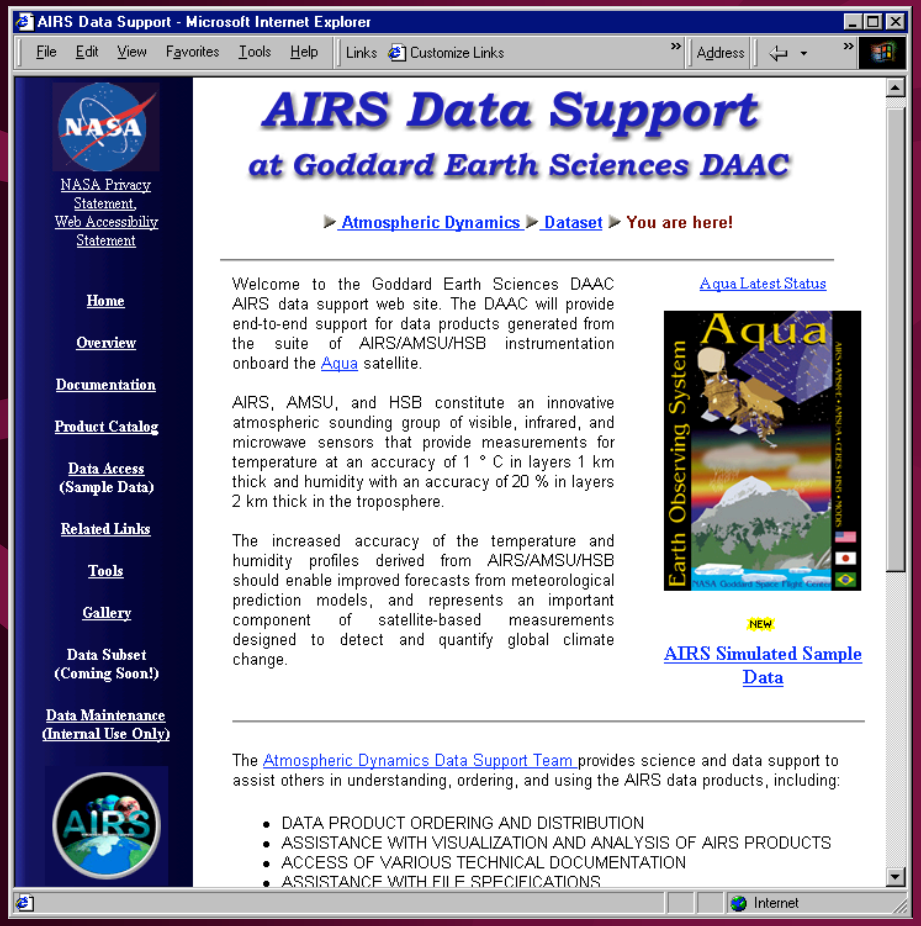
A.K Sharma, Jianchun Qin, Jason Li

AIRS Data Support Home Page at GES DAAC

http://daac.gsfc.nasa.gov/atmodyn/airs/

Hom e

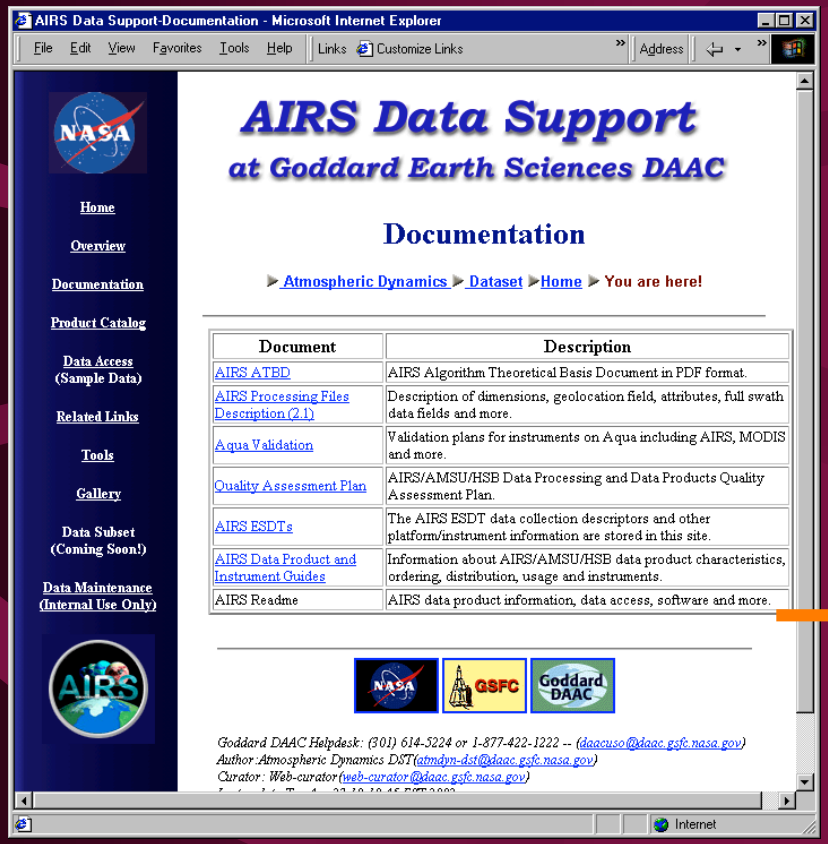


AIRS Data Support Home page at GES DAAC is user-friendly navigational web site with information on AIRS data product and services provided by AIRS data support team. It provides online documentation, product catalog, links to data access interfaces, information on various tools to read and visualize AIRS data, images, and online data analysis tools.

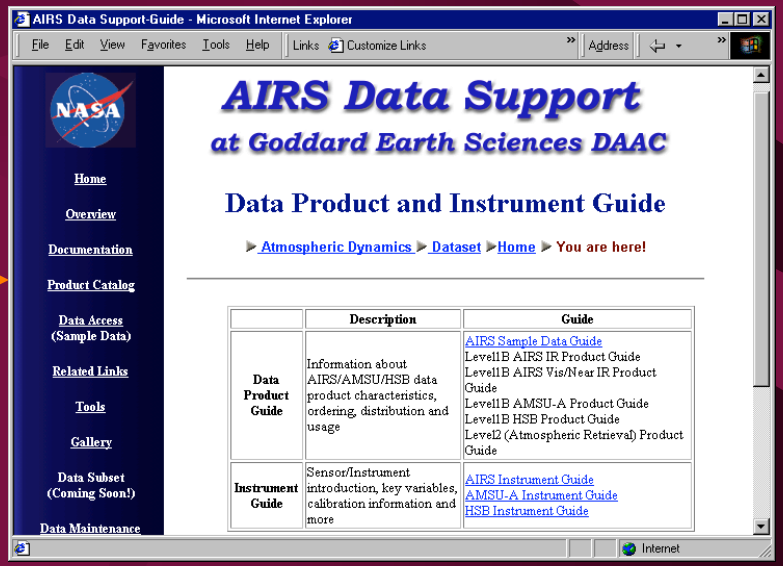
AIRS Simulated Sample data has been released to public users via this post-launch version AIRS Data Support page on April 30, 2002.

AIRS Data Support Home Page at GES DAAC

Documentation



Users can access ATBD, File specification, data product guides and instrument guides, and other AIRS data related online documents.



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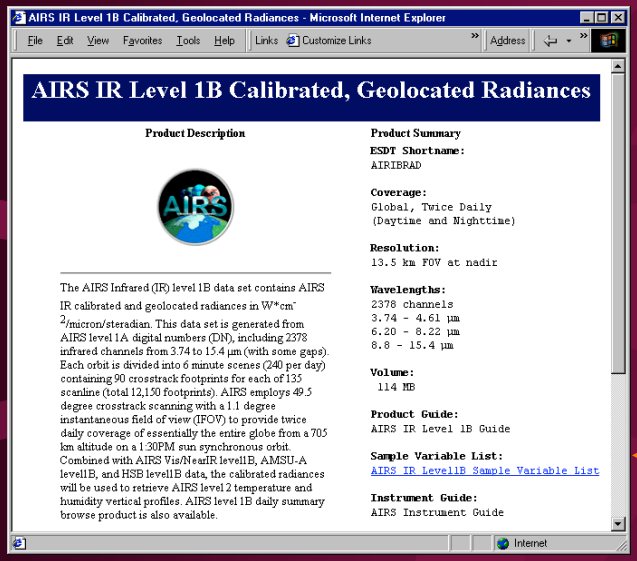
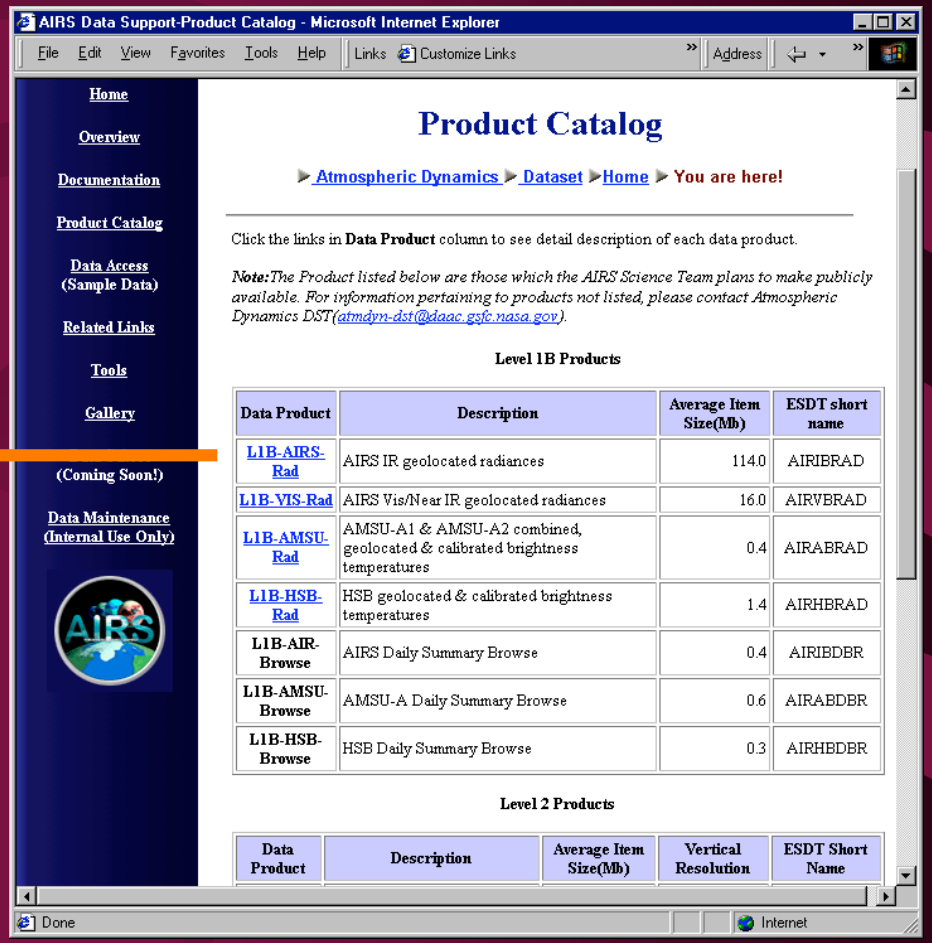
Product Catalog

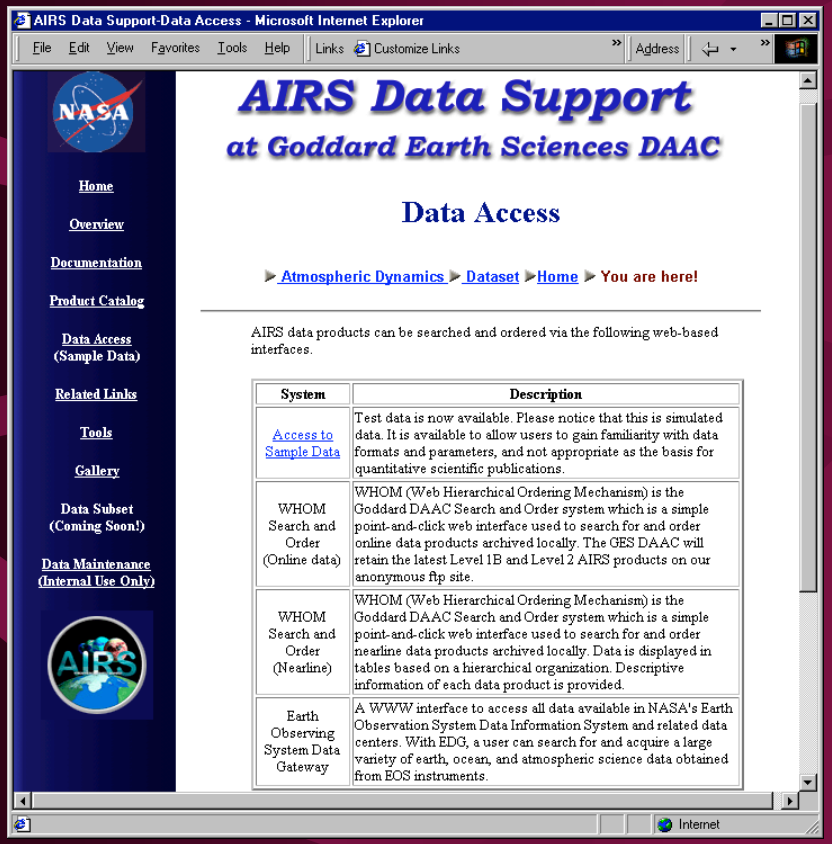




The links in Data Product column lead to detail information on each product, such as, product description, temporal and spatial coverage, file size, links to related documents and more.

AIRS Data Support Home Page

Data Access

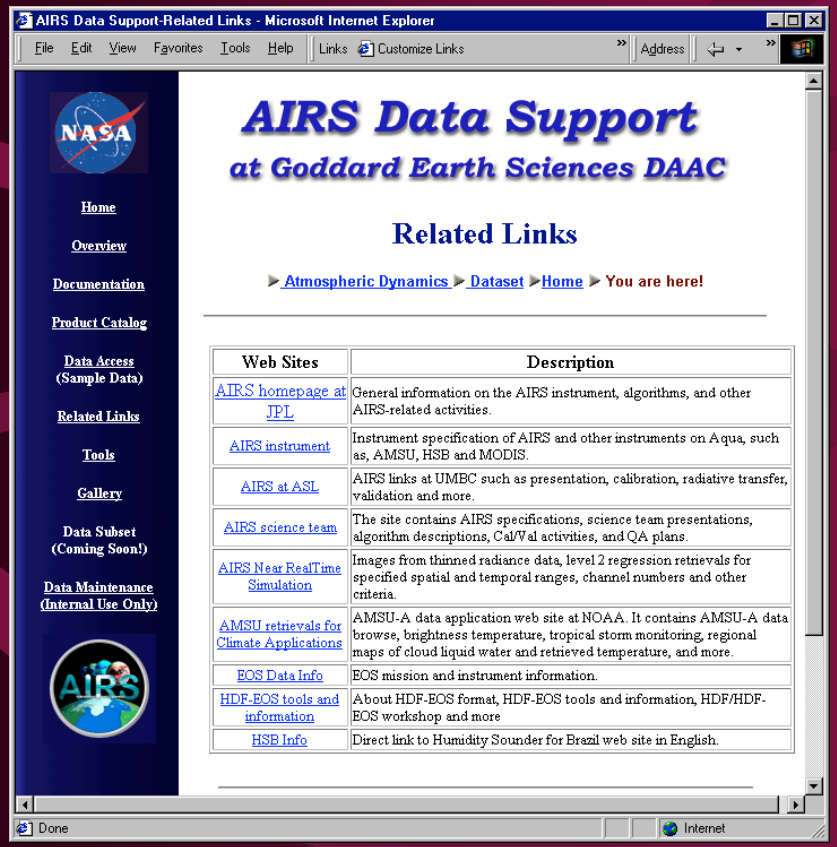


AIRS data can be accessed via GES DAAC local search and order interface, WHOM (Web Hierarchical Ordering Mechanism) and EOS Data Gateway.

The GES DAAC will retain the latest Level 1B and Level 2 AIRS products on our anonymous ftp sites and released via through WHOM together with Nearline data.

AIRS Data Support Home Page

Related Links

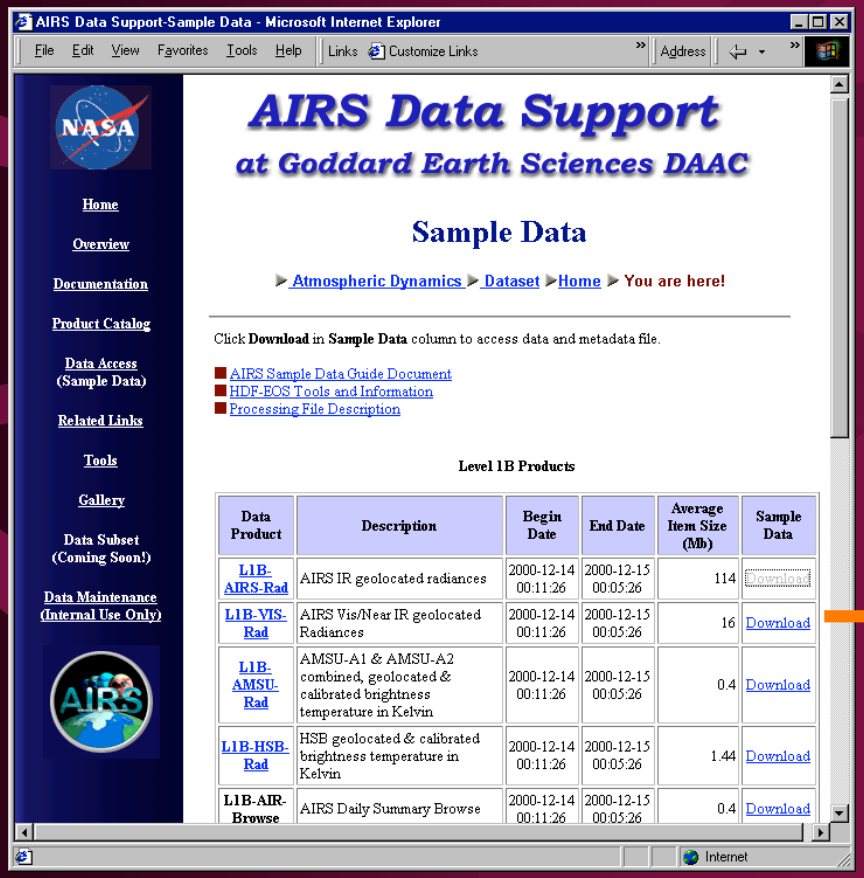


One can find various AIRS data related information navigating web sites of

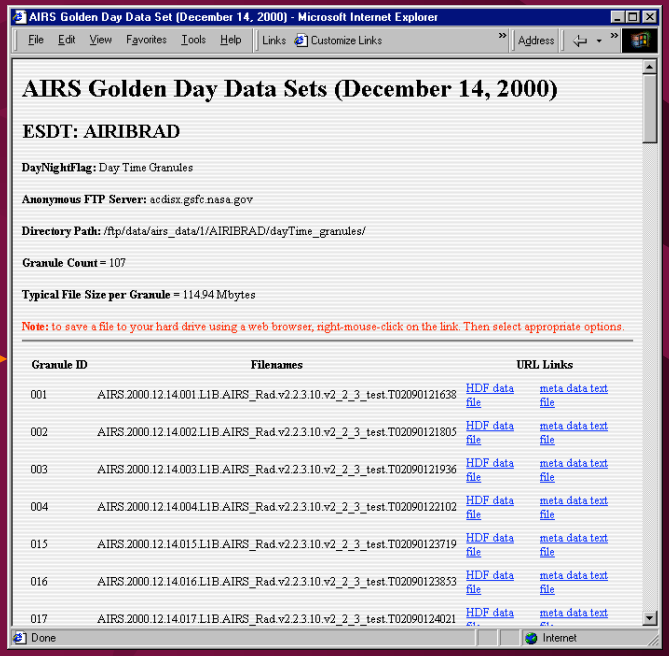
AIRS home page at JPL
AIRS science team
AIRS instrument
AIRS near-Real Time simulation
AMSU-A data application
HDF-EOS information
and more.

AIRS Data Support Home Page

Sample Data Access



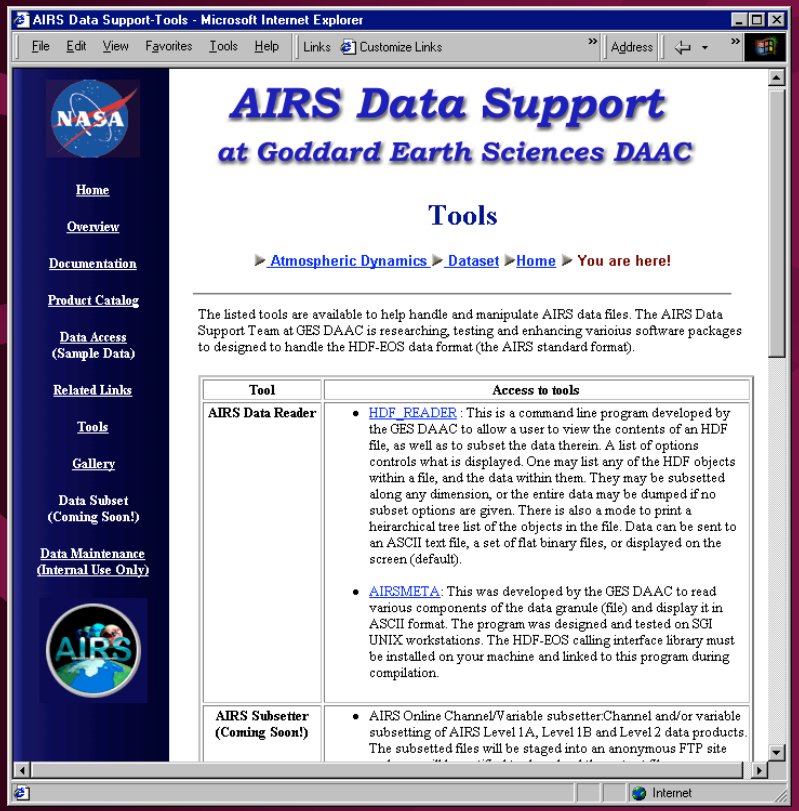
AIRS Simulated Sample data can be downloaded via anonymous ftp and http. Online data guide document and product descriptions are also provided.

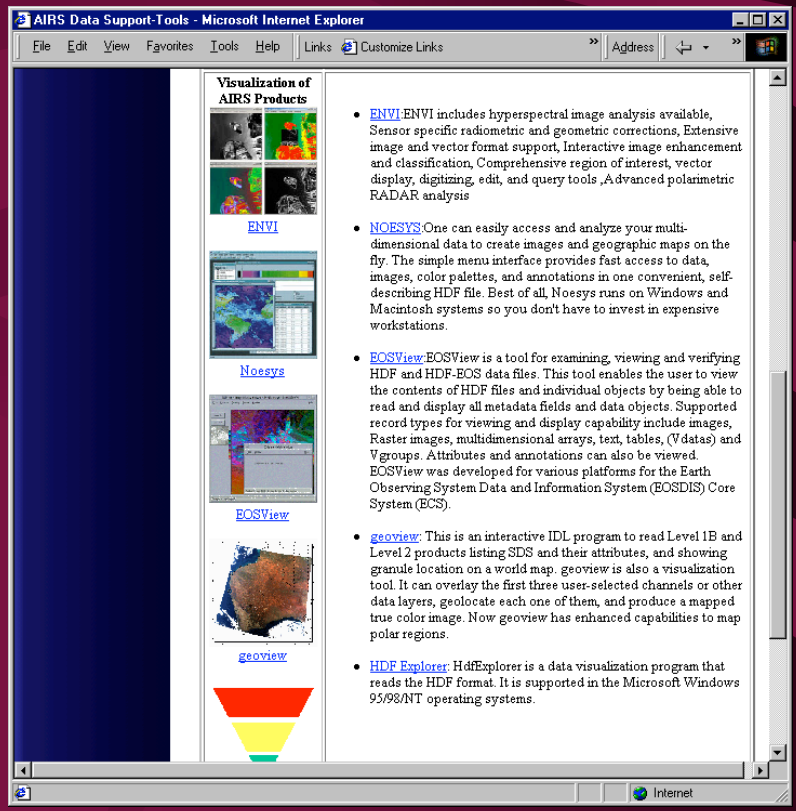


AIRS Data Support Home Page

Tools

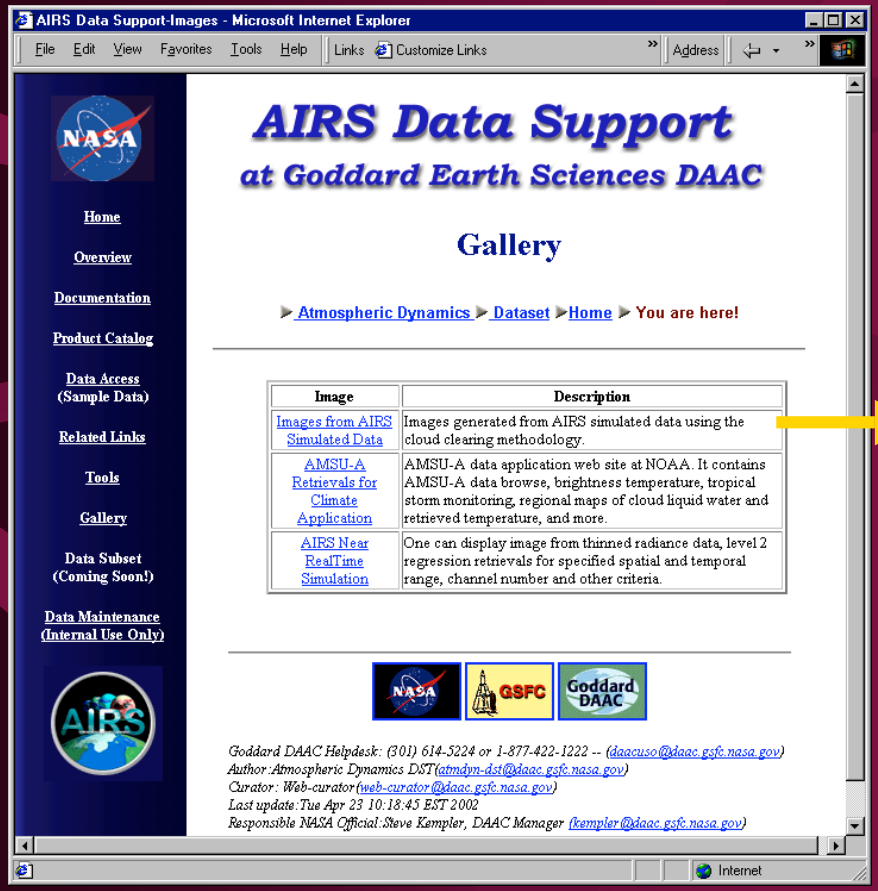
The AIRS Data Support Team at GES DAAC is researching, testing and enhancing various software packages to designed to handle the HDF-EOS data format (the AIRS standard format).

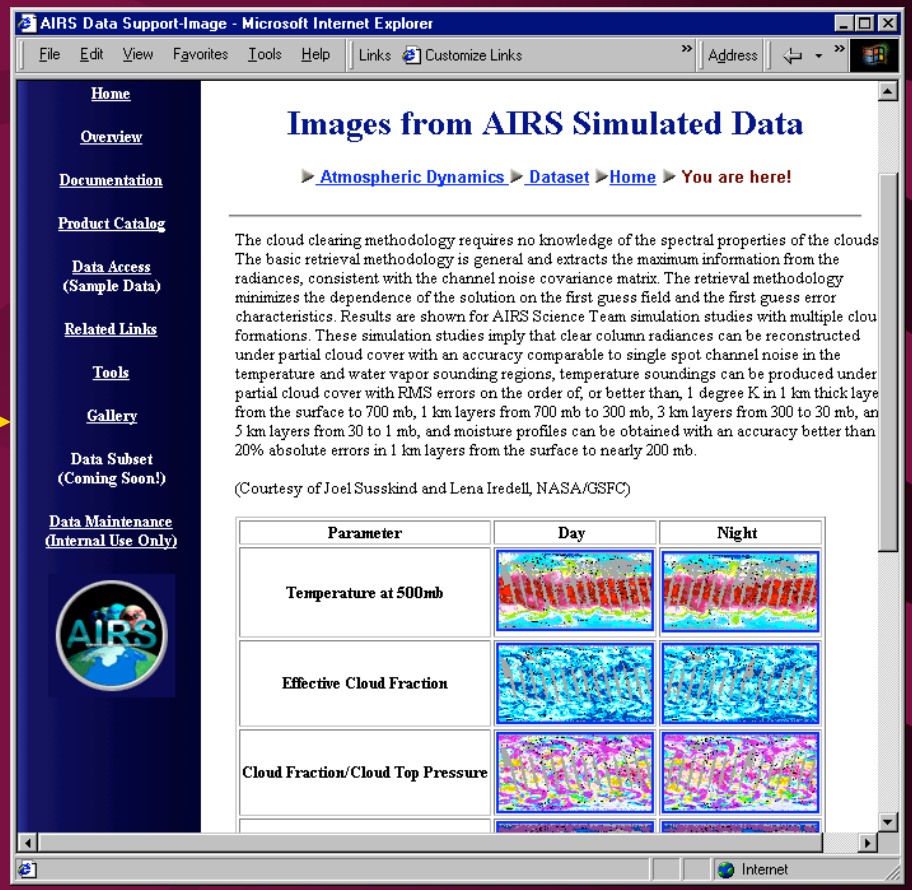




AIRS Data Support Home Page

Gallery

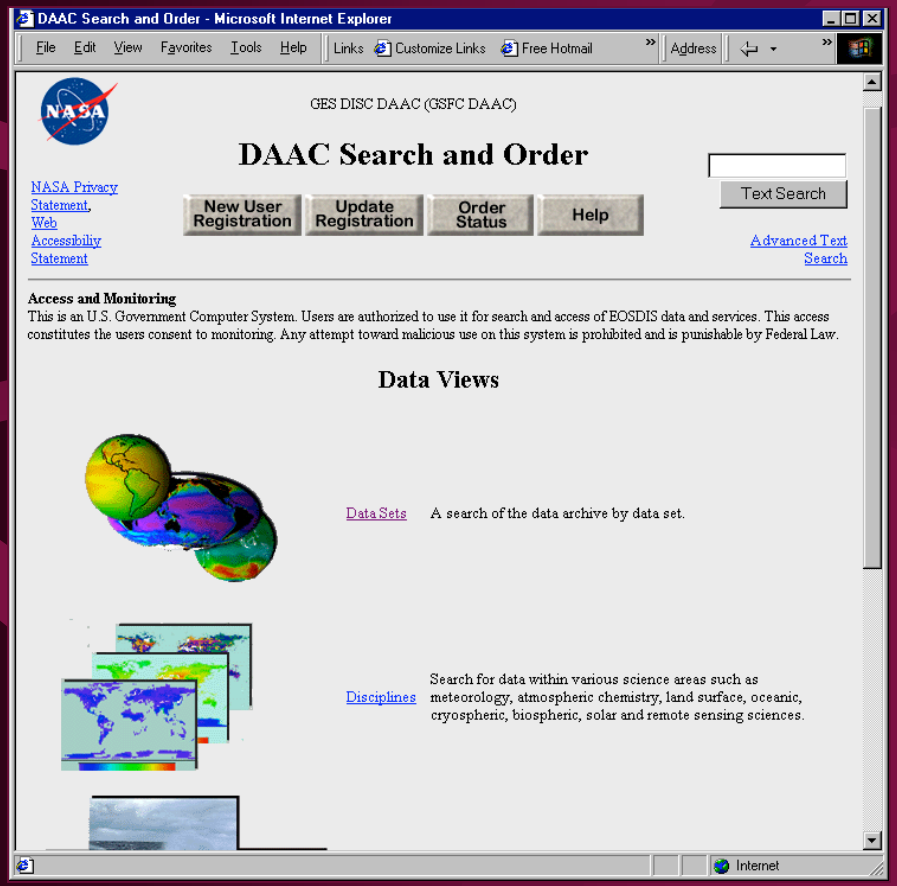




AIRS Data Search and Order at GES DAAC

http://daac.gsfc.nasa.gov/data/dataset/

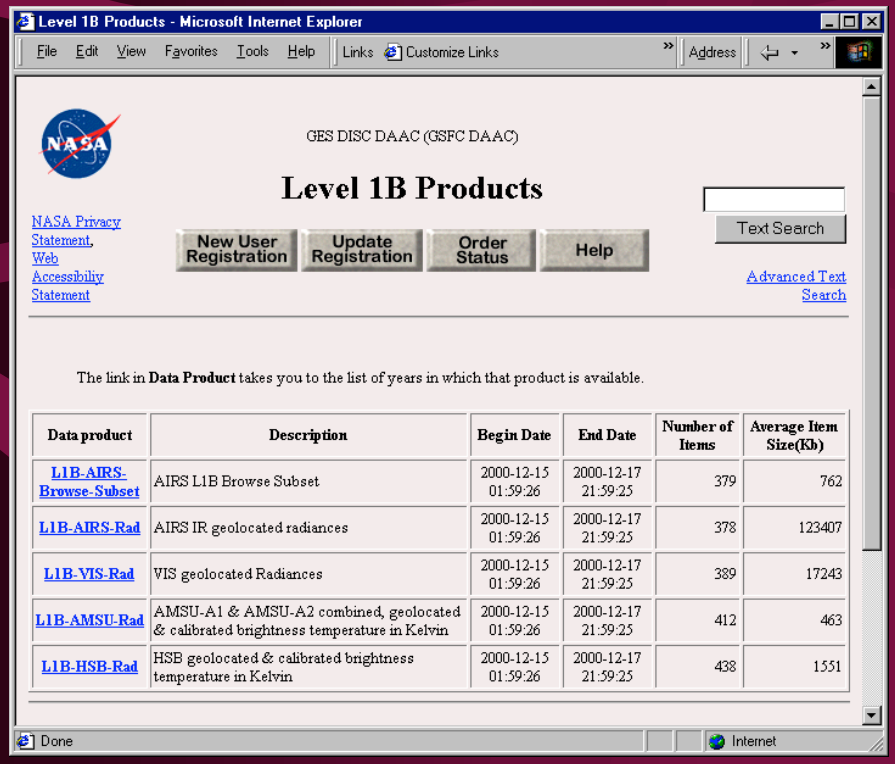
DAAC Search and Order is the interface to all data available at GES DAAC including AIRS data. It enables users to request data efficiently through hierarchical architecture.

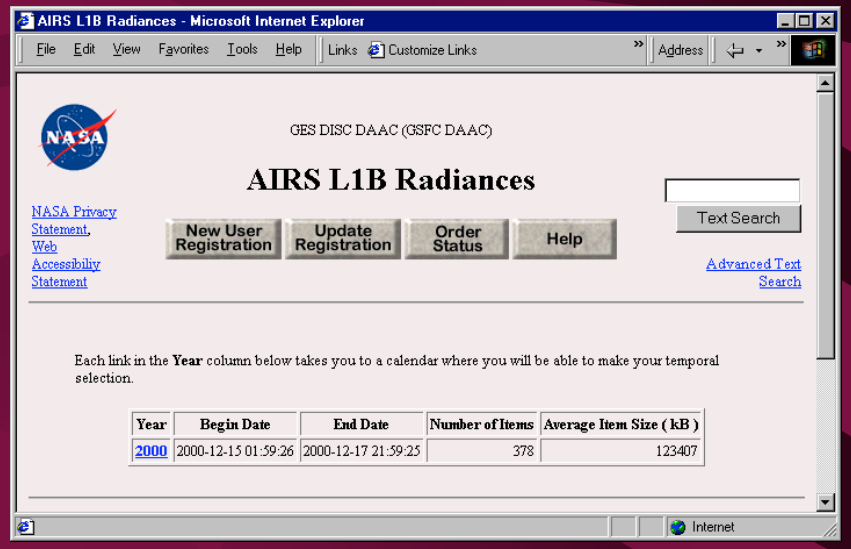


AIRS Data Search and Order at GES DAAC

Simple point-and-click navigational web interface shows temporal coverage, number of items, average item size and description of each data product.

- **The links in Data Product column leads users to the list of years in which that product is available.**

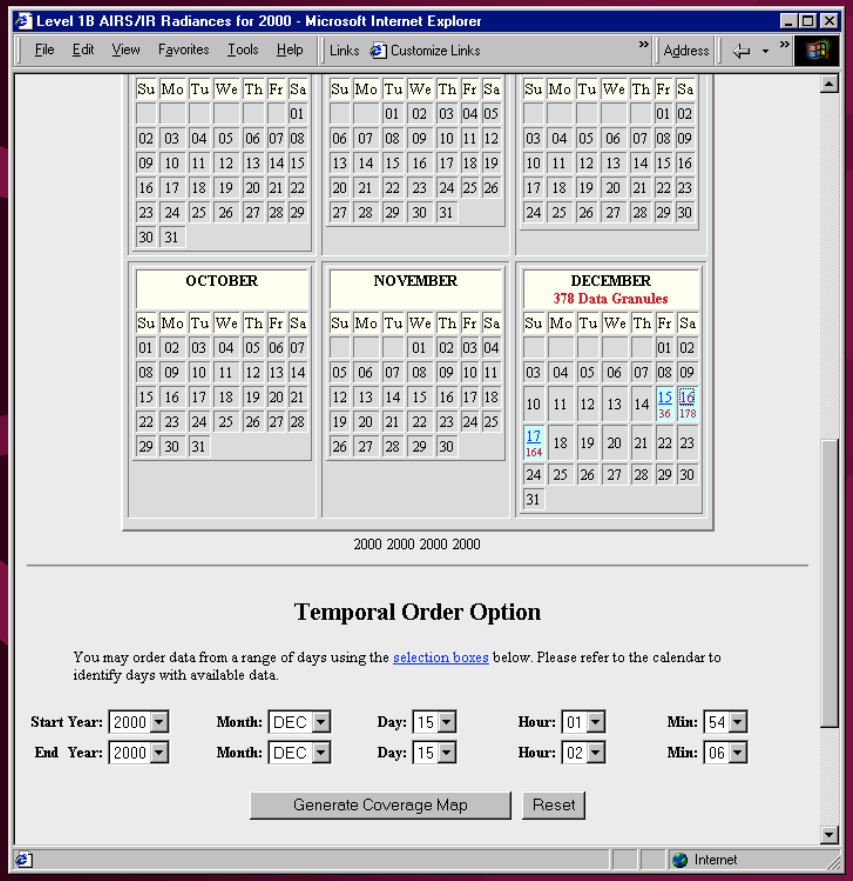


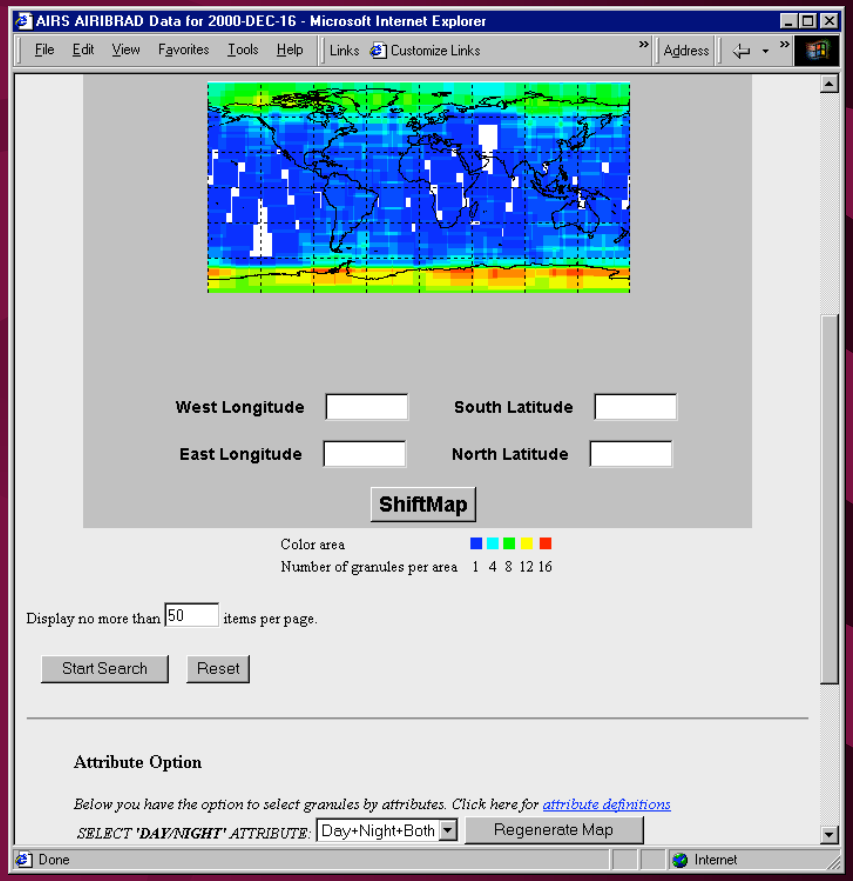


- **Each link in the Year column below takes you to a calendar where you will be able to make your temporal selection.**

AIRS Data Search and Order at GES DAAC

> Calendar page represents the number of granules available for each day.
> Spatial search map is regenerated for the selected attribute (i.g. DayNight Flag)

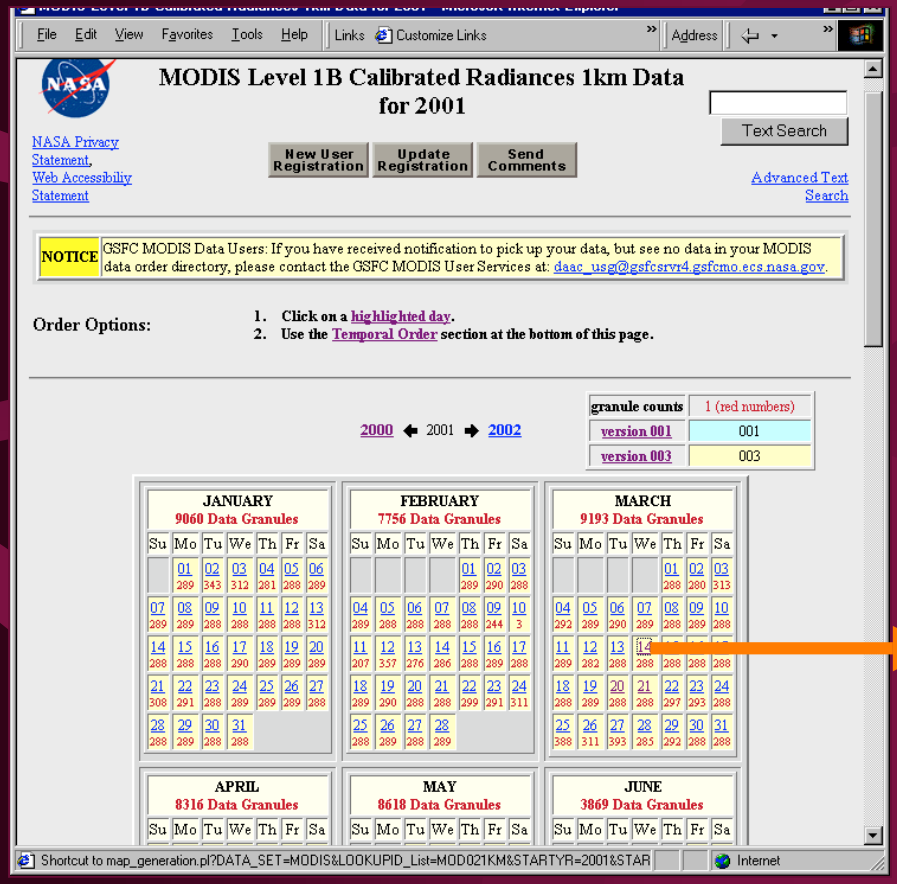


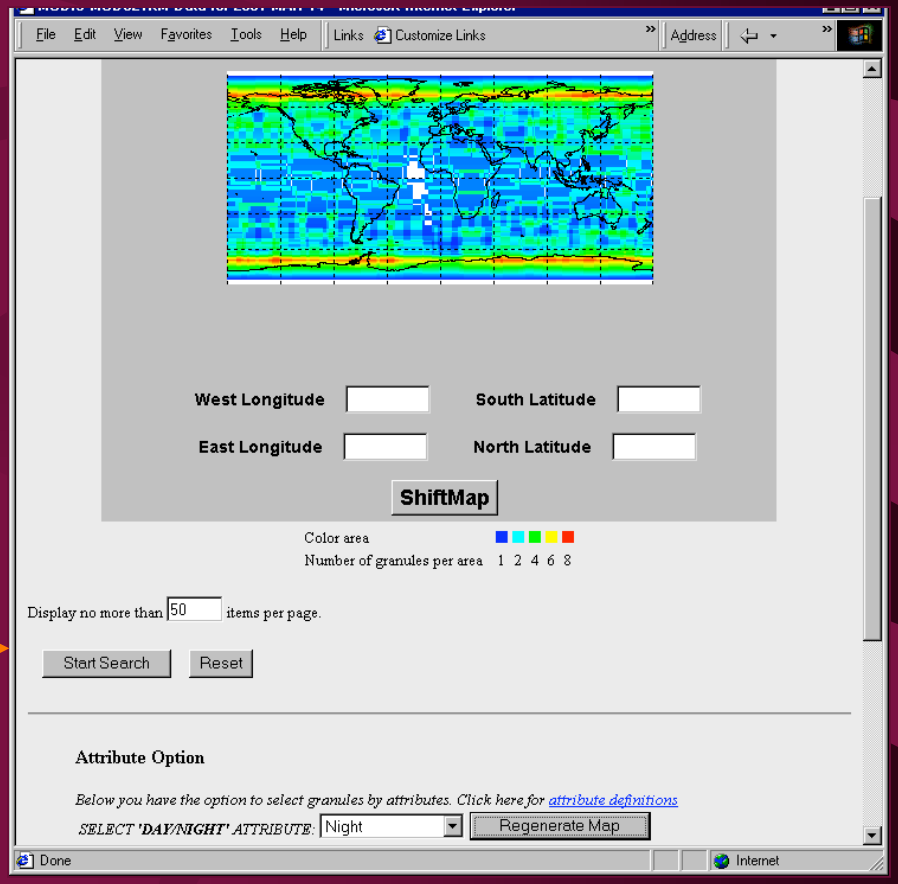


Data Search and Order at GES DAAC

(Example : MODIS data search and order)

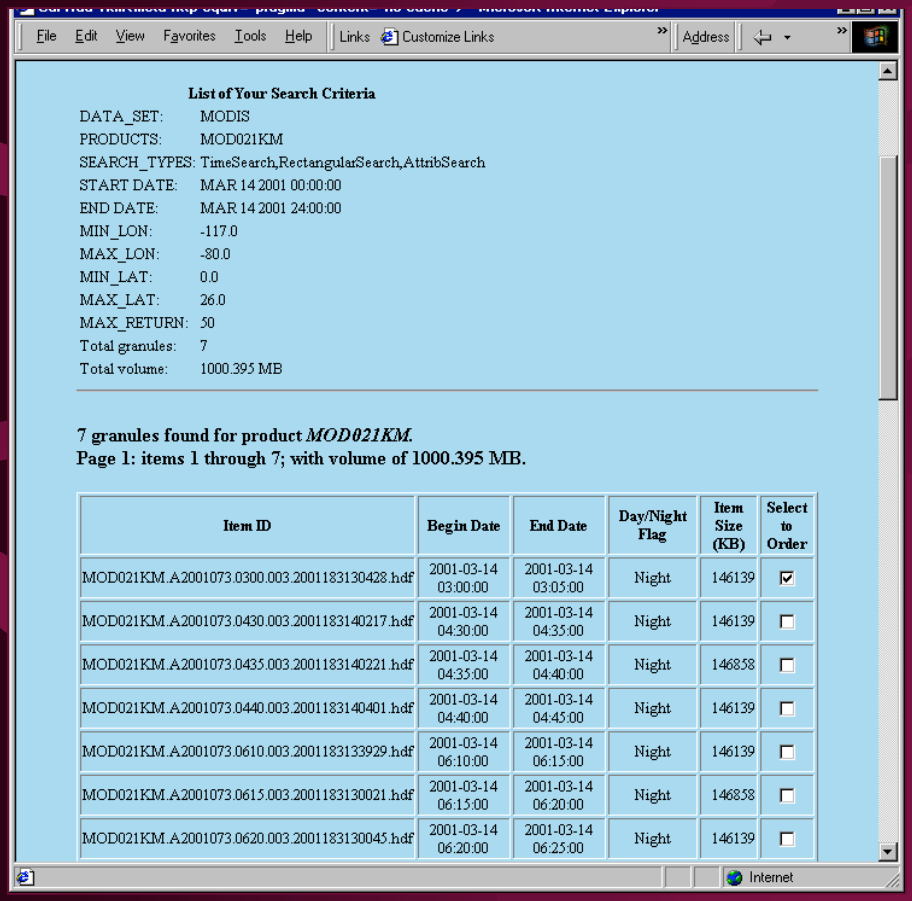
> Select day and attribute to regenerate map and specify spatial range.





Data Search and Order at GES DAAC

> Select granules, output format and channels for on-demand subsetting.



File Edit View Favorites Tools Help Links Customize Links Address

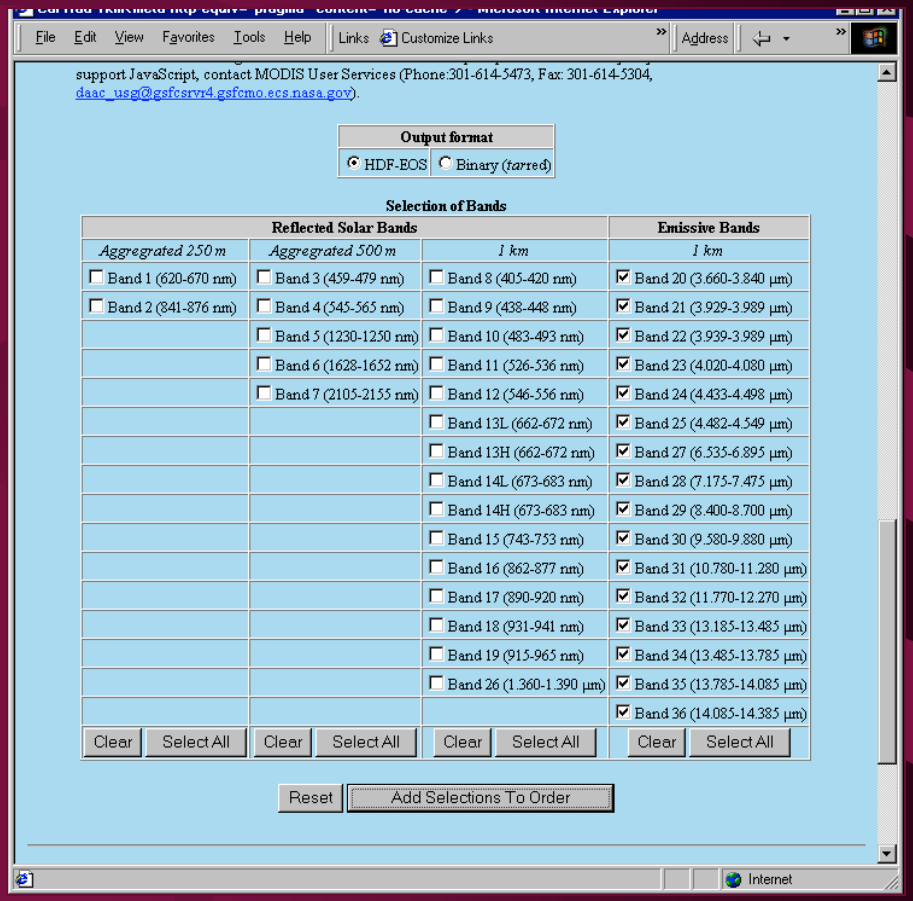
List of Your Search Criteria

DATA_SET:	MODIS
PRODUCTS:	MOD021KM
SEARCH_TYPES:	TimeSearch,RectangularSearch,AttribSearch
START DATE:	MAR 14 2001 00:00:00
END DATE:	MAR 14 2001 24:00:00
MIN_LON:	-117.0
MAX_LON:	-80.0
MIN_LAT:	0.0
MAX_LAT:	26.0
MAX_RETURN:	50
Total granules:	7
Total volume:	1000.395 MB

7 granules found for product *MOD021KM*.
Page 1: items 1 through 7; with volume of 1000.395 MB.

Item ID	Begin Date	End Date	Day/Night Flag	Item Size (KB)	Select to Order
MOD021KM.A2001073.0300.003.2001183130428.hdf	2001-03-14 03:00:00	2001-03-14 03:05:00	Night	146139	☑
MOD021KM.A2001073.0430.003.2001183140217.hdf	2001-03-14 04:30:00	2001-03-14 04:35:00	Night	146139	☐
MOD021KM.A2001073.0435.003.2001183140221.hdf	2001-03-14 04:35:00	2001-03-14 04:40:00	Night	146858	☐
MOD021KM.A2001073.0440.003.2001183140401.hdf	2001-03-14 04:40:00	2001-03-14 04:45:00	Night	146139	☐
MOD021KM.A2001073.0610.003.2001183133929.hdf	2001-03-14 06:10:00	2001-03-14 06:15:00	Night	146139	☐
MOD021KM.A2001073.0615.003.2001183130021.hdf	2001-03-14 06:15:00	2001-03-14 06:20:00	Night	146858	☐
MOD021KM.A2001073.0620.003.2001183130045.hdf	2001-03-14 06:20:00	2001-03-14 06:25:00	Night	146139	☐

Internet



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support JavaScript, contact MODIS User Services (Phone:301-614-5473, Fax: 301-614-5304, daac_usg@gsfcsrvr4.gsfcmo.ecs.nasa.gov).

Output format

(•) HDF-EOS ( ) Binary (*tarred*)

Selection of Bands

Reflected Solar Bands			Emissive Bands
Aggregated 250 m	*Aggregated 500 m*	*1 km*	*1 km*
☐ Band 1 (620-670 nm)	☐ Band 3 (459-479 nm)	☐ Band 8 (405-420 nm)	☑ Band 20 (3.660-3.840 µm)
☐ Band 2 (841-876 nm)	☐ Band 4 (545-565 nm)	☐ Band 9 (438-448 nm)	☑ Band 21 (3.929-3.989 µm)
	☐ Band 5 (1230-1250 nm)	☐ Band 10 (483-493 nm)	☑ Band 22 (3.939-3.989 µm)
	☐ Band 6 (1628-1652 nm)	☐ Band 11 (526-536 nm)	☑ Band 23 (4.020-4.080 µm)
	☐ Band 7 (2105-2155 nm)	☐ Band 12 (546-556 nm)	☑ Band 24 (4.433-4.498 µm)
		☐ Band 13L (662-672 nm)	☑ Band 25 (4.482-4.549 µm)
		☐ Band 13H (662-672 nm)	☑ Band 27 (6.535-6.895 µm)
		☐ Band 14L (673-683 nm)	☑ Band 28 (7.175-7.475 µm)
		☐ Band 14H (673-683 nm)	☑ Band 29 (8.400-8.700 µm)
		☐ Band 15 (743-753 nm)	☑ Band 30 (9.580-9.880 µm)
		☐ Band 16 (862-877 nm)	☑ Band 31 (10.780-11.280 µm)
		☐ Band 17 (890-920 nm)	☑ Band 32 (11.770-12.270 µm)
		☐ Band 18 (931-941 nm)	☑ Band 33 (13.185-13.485 µm)
		☐ Band 19 (915-965 nm)	☑ Band 34 (13.485-13.785 µm)
		☐ Band 26 (1.360-1.390 µm)	☑ Band 35 (13.785-14.085 µm)
			☑ Band 36 (14.085-14.385 µm)
Clear Select All	Clear Select All	Clear Select All	Clear Select All

Reset | Add Selections To Order

Internet

Data Search and Order at GES DAAC

> Review the selected criteria and user information, and submit order.

File Edit View Favorites Tools Help Links Customize Links Address

You have selected the following data:

DATA_SET	DESCRIPTION	BEGIN_DATE	END_DATE	NUM_ITEMS	VOL (KB)	ITEM_ID
MODIS	MOD021KM	2001-03-14 03:00:00	2001-03-14 03:05:00	1	146139.0	MOD021KM.A2001073.0300.003.2001183130428

Please indicate how you would like your order to be shipped.

Via network: (FTP) *You will receive email on how to retrieve your order.*

OR

On tape: 8MM-8500

And shipped via: US Mail, Interoffice Mail, Pick Up

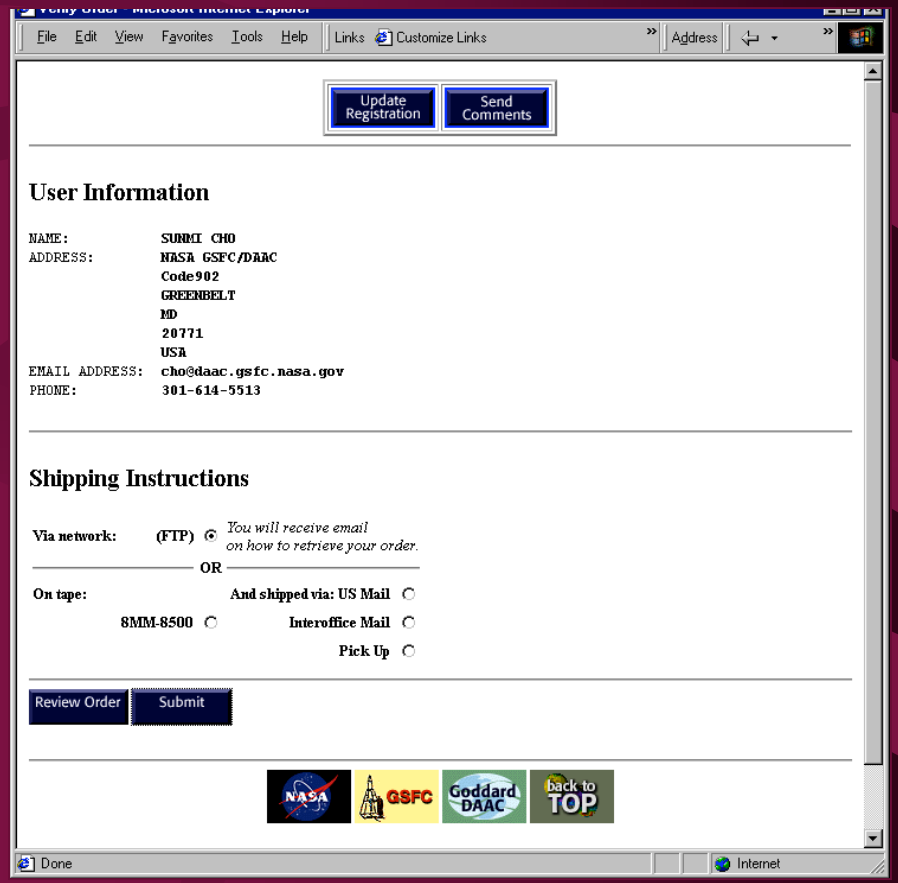
Once your order has been created, you will be able to modify it by adding or deleting items.
To start over without creating an order, use your browser's Back button.

Create Order

NASA GSFC Goddard DAAC back to TOP

Goddard DAAC Helpdesk: 301-614-5224 or 1-877-794-3147; daacuso@daac.gsfc.nasa.gov
Web Curator: web-curator@daac.gsfc.nasa.gov
NASA official: Steve Kempler, DAAC Manager -- kempler@daac.gsfc.nasa.gov

Done Internet



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Update Registration | Send Comments

User Information

NAME: SUMMI CHO
ADDRESS: NASA GSFC/DAAC
Code902
GREENBELT
MD
20771
USA
EMAIL ADDRESS: cho@daac.gsfc.nasa.gov
PHONE: 301-614-5513

Shipping Instructions

Via network: (FTP) *You will receive email on how to retrieve your order.*

OR

On tape: 8MM-8500

And shipped via: US Mail, Interoffice Mail, Pick Up

Review Order | Submit

NASA GSFC Goddard DAAC back to TOP

Done Internet